

Abstract

A delivery system for delivery and deployment of a self expanding stent 1 especially in an arterial vessel with a tortuous passageway leading thereto comprises a catheter shaft 9 with a distal sheath 6. An inner core 5 is fixed to a larger diameter outer core 10, the difference in diameter providing an abutment. To deploy the stent 1, the sheath 6 is drawn proximally relative to the inner core 5, the proximal end of the stent 1 is engaged by the abutment and the stent 1 expands as it is uncovered by the sheath 6. The system includes a stabiliser tube 25 to which the inner core 5 is fixed, at least during the deployment of the stent 1.